

The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

DANVERS STATE HOSPITAL at

FOR THE

YEAR ENDING NOVEMBER 30,

1935

DEPARTMENT OF MENTAL DISEASES



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DEPARTMENT OF MENTAL DISEASES
GARDNER STATE HOSPITAL
GARDNER, MASS.

JAN 19 1937

DANVERS STATE HOSPITAL

(Post Office Address: Hathorne, Mass.)

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VELMA H. ATKINSON, M.D., *Assistant Physician*.
SALVADOR JACOBS, M.D., *Assistant Physician*.
MELVIN GOODMAN, M.D., *Assistant Physician*.
LOIS E. TAYLOR, M.D., *Assistant Physician*.
FLORA M. REMILLARD, M.D., *Assistant Physician*.
GEORGE W. WHEELER, D.M.D., *Dentist*.
GRACE H. KENT, Ph.D., *Psychologist*.

HEADS OF DEPARTMENTS

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MISS GRACE MANNING, R.N., *Chief Hospital Supervisor, Femlae Dept.*
MR. IRVING L. HYLAND, *Maintenance Foreman*.
MR. WILLIAM GORDON, *Head Farmer*.
MISS POLLY K. FRANCIS, *Head Occupational Therapist*.

CONSULTING PHYSICIANS

S. CHASE TUCKER, M.D., *Surgeon*.
PHILIP R. DWYER, M.D., *Ophthalmologist*.
HAROLD C. BEAN, M.D., *Orthopedic Surgeon*.
RALPH E. STONE, M.D., *Internist*.
PAUL E. TIVNAN, M.D., *Roentgenologist*.
BERNARD APPEL, M.D., *Dermatologist*.
EDWARD L. PEIRSON, JR., M.D., *Urologist*.

TRUSTEES' REPORT

To His Excellency, the Governor and the Honorable Council:

The Trustees of the Danvers State Hospital respectfully offer the following annual report, including the report received by us from the Superintendent and the reports received by him from the various departments:

The Board has continued to hold monthly meetings at the hospital for conference with the Superintendent concerning the development of the institution and the upkeep of the plant.

During the present year certain important projects have been completed.

On the wards, both male and female, fireproof staircases have been constructed to replace the old wooden staircases.

All obsolete wiring has been replaced with modern wiring in conduit, excepting the Colony.

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There is a new water tank, providing increased pressure for the sprinkler system. This sprinkler has been modernized in the A and J buildings.

New Hydrotherapy buildings have been constructed, which are exceptionally well-equipped to provide this special treatment.

We now have a direct connection with the Danvers electric power line, which is very important in the event of a breakdown in our plant and the utilization of power at a time when our boiler pressure is kept low, that is, in the warmer months of the year.

A new fire alarm signal system has recently been installed and is nearly completed. We are in need of a fire-fighting kit which can be used without delay in response to the alarm. We recommend the purchase of a motorized fire-fighting equipment, to be kept in the Garage Building ready for immediate use. This equipment should include two 100-gallon chemical tanks, 1,000 feet of hose, ladders, axes, and other accessories, at a total cost of about \$4,000.

We again call attention to the needs of the institution, which were requested in the previous messages:

A new building on both the male and female sections, and connected with the present buildings, to better provide for the infirm and convalescent patients, these buildings to be approximately of the same size and shape as our present ward buildings, and to house approximately two hundred more patients on each side. This will aid greatly in relieving the present congestion on certain wards.

A new tubercular building, which will accommodate both male and female patients.

At the present time three new boilers are being installed and it is planned to utilize oil-burning equipment. However, we believe that new machinery should be provided and that the size of the Power House should be enlarged to cope with the growth of the institution since during this past year we have seen the largest number of patients in the history of the hospital (2,250).

The Chapel should be enlarged to accommodate three times the number of patients that it now will care for. This will mean making room for some thirty-five employees now quartered in the Rear Center section, in order to follow through with this contemplated reconstruction.

At this time we would call attention to the fact that both the Front and Rear sections of the Administration Building should have other means of egress than that which now exists. The ideal plan for the Front Center would be a fireproof staircase extending from the fourth floor and with an outside exit on the ground. As to the Rear Center, plans have long been recommended to do away with the section and increase the size of the Chapel with modern construction. Therefore, at this time it does seem feasible to recommend the type of staircase mentioned as desirable for the Administration Building, Front section.

For some time we have realized that the roofs of the main building need attention. In some instances the foundation boards show deterioration. Therefore, the slate shingles cannot be secured properly. This would mean extensive alterations of a difficult nature. It might be well in making this recommendation to request that one building be done at a time.

We have long felt that the Danvers State Hospital has now reached a population so large that an acute reception building would be highly advisable. This building would provide facilities for the care of acute cases and we would expect that many cases given intensive treatment over a short time, separated from the more chronic cases, would have a better opportunity to get well. This feature would, of course, again be a splendid opportunity to relieve the present congestion.

We are greatly in need of room for our employees and would request the building of a home for married couples. This would also permit of room space for the employees now quartered in the section known as Rear Center, and which would be removed in the event of the enlargement of the Chapel.

We again make the request of fireproofing the entire first floor. This would be a splendid step forward in fireproofing the institution and would serve as a preventive measure in basement fires, and, coupled with the sprinkler system in the attic, would safeguard our patients in the event of fire.

With the added number of new employees, the laundry should be enlarged and reconstructed in order to do more efficient work and to be in position to accept the greater volume which it now has to meet. In connection with the laundry, We would report that we should replace two old wooden laundry washers with modern washers. One drying tumbler and one extractor is needed.

We would recommend re-wiring Middleton Colony, the power plant, service building, industrial building and barn, also the passageways from wards to dining hall.

The sprinkler system has been modernized in the A building and in the J Building. We strongly urge that this modernization be continued to the B, C, D, F, G, H and I buildings, to include new pipe fittings and risers from the basement, also a sprinkler system at Middleton Colony.

Under the heading "Repairs and Renewals" we are requesting certain needs that should be given attention:

1. Reshingling roofs, Middleton Colony.
2. Repairs to Stone Crusher.
3. Replacing of kitchen equipment, Middleton Colony.
4. Renewal of hot water mains.
5. Metal screens, hydrotherapy buildings.
6. Transformers.
7. Replacement of piazza, Harrington Building, Middleton Colony.
8. Replacement of Center Building, hennery, with fireproof building.
9. Repairs to Cottage No. 9.
10. Conduits, cabinets, etc. in tunnels.

We are requesting an appropriation under this heading of \$13,355.

Respectfully submitted,

MR. S. HERBERT WILKINS, *Chairman*

DR. ARTHUR C. NASON

MR. JAMES F. INGRAHAM

MRS. ANNIE T. FLAGG

MR. THOMAS D. RUSSO

MR. H. C. MCSTAY

MRS. ANNA P. MARSH

Trustees.

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-eighth annual report of the Superintendent for the fiscal year ending November 30, 1935, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1935.

MOVEMENT OF POPULATION

The hospital year opened on October 1, 1934 with 2,194 patients in the hospital, 282 on visit, 12 on escape and 9 in family care, making a total of 2,497.

The year ended on September 30, 1935, with 2,201 patients in the hospital, 336 on visit, 11 on escape and 11 in family care, making a total of 2,559.

The number of admissions during the year were: 521 male; 432 female; total 953, an increase of 40 over the preceding year.

There were 4 voluntary patients admitted during the past year; 26 patients were transferred from other institutions; 312 men and 251 women were admitted on temporary care papers and 79 men and 54 women were admitted on thirty-five day observation papers.

FIRST ADMISSIONS

There were 581 patients admitted to this or any hospital for the first time, which is a decrease of 81 over the preceding year.

DAILY POPULATION

The total average population for the year ending September 30, 1935 was 2,176, an increase of 15 over last year. There were 3,450 patients treated during the year as compared with 3,415 in 1934.

Three hundred patients died in the institution during the year, which is 25 more than the preceding year.

DISMISSALS

Five hundred ninety-two patients were discharged from the institution during the past year; 335 men and 257 women. Classified as to their condition on discharge: 48 recovered; 328 as improved; 391 as unimproved; and 125 as without psychosis. The figures for the preceding year were as follows: 44 recovered; 318 as improved; 38 as unimproved; and 146 as without psychosis.

On September 30, 1935 there were 336 patients on trial visit in care of friends or under hospital supervision as compared with 303 in 1934.

Since the organization of the hospital, 34,021 patients have been admitted and 31,561 discharged.

MEDICAL ADMINISTRATION

The following changes in the personnel of the Staff occurred during the year:

Appointments

Dr. Flora M. Remillard, appointed Assistant Physician July 1, 1935.

Dr. Doris M. Sidwell, promoted from position of Assistant Physician to Senior Physician November 1, 1935.

Resignations

Dr. Salomon Gagnon, resigned March 10, 1935, to accept position of Assistant Superintendent at Metropolitan State Hospital.

Clinical Assistants

Bernice D. Rosenthal, Woman's Medical College of Pennsylvania.

James F. Seccareccio, Tufts Medical College.

Charles A. Currier, Tufts Medical College.

Ralph P. McCarthy, Georgetown University.

Students in Laboratory

H. Parker Wetherbee

Arthur H. Ruggles, Jr.

MEDICAL SERVICE

This service, under the direction of the assistant superintendent, has continued to function efficiently as in former years. Several changes have been made in personnel due to promotions of various staff members. The regular daily staff conferences for the purpose of discussing diagnosis, discharge, and visit of patients have continued throughout the year as well as the usual daily and weekly night ward rounds. The number of cases of bacillary dysentery (His-Y type) has been steadily diminishing and because of the careful segregation of cases has presented a much less serious problem than in former years.

The usual periodical physical and x-ray examinations of nurses in training have been carefully carried out and a routine physical examination has been instituted before an applicant was accepted for any position.

The sixteen-lecture course in Psychiatry given to the various schools of nursing in Essex County last year was repeated this year because of the numerous requests. The first lecture was given in October to about 125 nurses from the various nursing schools. The different members of the staff have also continued their lectures in connection with the training school as well as to the four classes of affiliating nurses and two classes of Occupational Therapy students. Sixteen fourth-year medical students from Tufts Medical School have each spent a month at the hospital where they received training in Psychiatry. Many demands have been made upon the staff for speakers for different societies, clubs, lodges and associations and during the year 60 such speaking engagements have been filled by the various staff members. In May a course of lectures in Psychiatry was given by the assistant superintendent to a group of lawyers from neighboring towns. This course was greatly appreciated as it brought out a more thorough understanding of Psychiatric terminology.

The physicians and surgeons of the consulting board have been faithful throughout the year and have rendered an invaluable service by their untiring efforts in helping us solve the many special problems, which are bound to arise in so large a community.

In October, 1935, Dr. M. Gene Black of Dedham was appointed by the Department of Mental Diseases to carry on an intensive study of the tuberculosis problem.

A routine examination of all patients and an x-ray examination of all suspicious cases have been made. Most of the cases under treatment were in the inactive state and all active cases were properly isolated on wards well suited for the purpose.

The following work was accomplished in the operating room and dressing rooms during the year:

OPERATIONS

Blood transfusions, 2; colporrhaphy, 1; cystotomy (supra pubic—prostatic), 1; dilatation and curettage, 1; drainage of hydrocele, 1; evisceration of right eye, 1; excision of hydrocele sac, 1; excision of wen right side of face, 1; excision of wen of forehead, 1; fasciotomy—tendon transplanter, 1; halux valgus, 1; hemorrhoidectomy, 2; herniorrhaphy, 1; herniotomy, 3; hysterectomy, 1; incision and drainage of right breast, 1; incision and drainage of right hand, 1; incision and drainage of right frontal sinus, 1; incision and irrigation of right elbow, 1; laparotomy (exploratory), 2; laparotomy, 3; manipulation of feet, 1; oophorectomy unilateral, 1; perineorrhaphy, 1; prostatectomy (supra pubic), 1; removal of cervical polyp, 1; resection of ribs, 1; salpingo-oophorectomy (left), 1; suspension of uterus (Baldy Webster), 1; suturing of laceration and ligation of severed artery, (right wrist), 1; tonsillectomy, 3; punctures, spinal, 190; punctures, venal, 1,058; surgical dressings and treatments, 18,125.

Prophylactic Treatments

Dick tests, (scarlet fever), 103; Schick tests, (Diphtheria), 1,373; tuberculin tests, 3,232; typhoid inoculations, 1,123; vaccinations, 50.

Antisymphilitic Treatments

Bismuth, 660; mercuric salicylate, 154; neoarsphenamine, 330; tryparsamide, 401.

HYDROTHERAPY DEPARTMENT

During the past year the hydrotherapy departments have been closed owing to extensive alterations, which will enlarge and modernize the suites. Because of this, the tonic bath treatments have been generally reduced, with the result that only 6 patients were treated during the year with 123 various types of tonic bath treatments. Now that the hydrotherapy suites are nearing completion it is hoped that, with the modern equipments, being installed, a vast number of cases will be treated during the coming year and that more patients will be able to return to the community in an improved condition.

The wet sheet pack and continuous bath treatments have constantly been used as indicated by the following table:

Wet sheet pack:	Men	Women	Total
Number of patients treated	240	527	767
Number of packs given	4,128	15,733	19,861
Number of hours of treatment	11,610	43,622	55,232
Continuous baths:			
Number of patients treated	107	251	358
Number of baths given	2,488	2,253	4,741
Number of hours of treatment	5,300	7,892	13,192

PHYSIOTHERAPY DEPARTMENT

The physiotherapy department has continued to function actively throughout the past year with a trained physiotherapist in charge. Students from the nursing service have served part of their time in this department, where they have received training in technic in all electro therapy methods as well as massage.

A total of 11,379 treatments were administered during the year ending November 30, 1935. They were as follows: Infra red, 4,938; diathermy, 1,983; sine wave, 2,274; ultra violet (air cooled), 704; ultra violet (water cooled), 320; auto-condensation, 266; massage, 894.

PERSONAL HYGIENE DEPARTMENT

During this past year a full time personal hygienist has been in attendance and thus the work of this department has been greatly increased over that of the

preceeding year. The untidy and deteriorated patient has been given special attention and the results are gratifying.

With the year ending November 30, 1935, a total of 14,831 treatments were given as follows: Hair cuts, 4,367; shampoos, 2,602; manicures, 2,443; waves, 2,265; massages, 1,630; scalp treatments, 1,524.

VENEREAL CLINIC

This important service has been maintained throughout the year with the various arsenical preparations being used. These have been supplemented by mercury, and bismuth salts, as well as potassium iodide during the rest period. In selected cases malarial therapy has been used with the usual gratifying results. Two days per week have been devoted to these treatments because of the large number of cases requiring treatment.

DENTAL SERVICE

This department has been active during the year. The work has been carried on by a full-time dentist, assisted by a dental hygienist. As in former years, all newly admitted cases have been given a thorough examination and any prophylactic work, which would enhance the patients' health, has been done. A survey of the work accomplished during the past year is indicated in the following table:

Cleanings	423
Extractions	1,085

Fillings: Silver amalgam, 591; silver cement and silver amalgam, 6; porcelain, 271; zinc oxide and eugenol, 193; cement, 3; Gutta Percha, 5; Kryptex, 46; total, 1,115.

Prosthetics: Completed full plates, 29; completed partial plates, 5; completed bridges, 5; repaired full plates, 11; repaired partial plates, 8; miscellaneous corrections, 136.

Oral Treatments: Vincent infections, canker sores, gingivitis, abscesses, 964. Broken jaw, 2.

Miscellaneous: Referred to x-ray, 80; new patients examined, 808; re-examinations, 438; total number of patients treated, 3,317; lectures, 6.

X-RAY DEPARTMENT AND LABORATORY SERVICE

These services have continued to be of great help to the medical service. About the usual amount of work has been accomplished during the year. The director has devoted his entire time to the usual routine procedures. The following table indicates the work completed for the fiscal year ending November 30, 1935:

Autopsies, 46; bacterial cultures (including blood cultures), 22; basal metabolism determinations, 17.

Blood chemistry: Blood sugar, 20; N. P. N., 3.

Blood examinations: Red blood cell counts, 1,126; white blood cell counts, 1,154; differential counts, 266; hemoglobin determinations, 1,126; coagulation time, 6; bleeding time, 6; blood matching for transfusion, 4; reticulocytes and platelets, 1.

Bacteriological smears (gynecological, etc.), 224.

Pleural fluid examinations, 6.

Spinal Fluids: Gold sols, 169; cell counts, 96; globulin, 96; sputum examinations (for T. B.), 60; stomach contents, 1; stool examinations, 45; tissues sectioned and stained, 148; urinalyses, 3,754.

X-Ray: cases, 790; exposures, 1,365.

PUBLICATIONS

The following papers have been published during the year:

1. "Mental Health, Happiness and Efficiency" by Dr. Clarence A. Bonner, published in the July Scientific Monthly, Volume XLI (July to December) 1935.

2. "Report of a Fatal Case of Fluoride Poisoning" by Dr. Leo Maletz, published in the New England Journal of Medicine, August 22, 1935, Volume 213, No. 8, pages 370-372.

3. "What the Danvers State Hospital Stands for in Treatment" by Dr. Edgar C. Yerbury, published in the Monthly Bulletin of the Massachusetts Society for Mental Hygiene, September-October, 1935, Volume XIV, No. 7-8.

PSYCHIATRIC CLINICS

These clinics have been an important part of the work of the hospital as many patients on visit have continued to report at regular intervals, during which a careful check-up has been made of the patients on visit. The usual clinics have been held at Gloucester, Haverhill, Lawrence, Lynn, Malden, Newburyport and Salem. Physicians in the community have referred an occasional case for study at these clinics and in each instance a full report has been made to the one referring the case.

ADULT MENTAL HYGIENE CLINIC

No change has been made during the year in the management of this clinic except that Dr. Leo Maletz took over this important work upon the resignation of Dr. Salomon Gagnon, who was appointed Assistant Superintendent of the Metropolitan State Hospital in Waltham. The usual number of cases have been seen each week at the Lynn Hospital, where a careful study is made of them and intensive treatment is carried out. As in former years the students from Tufts College Medical School have continued to attend these clinics as part of their month's psychiatric training.

CONSTRUCTION REPORT

In addition to usual maintenance, the following is the work of the department during the past year:

Carpenters — Relaid slates on roofs. Laid new asphalt shingles. Laid asbestos shingles on walls of Harrington ward at Middleton Colony. Renovated Cottages 1, 3, 5, and 7. Made repairs and improvements to Cottages 2, 6, and 9. Laid linoleum. Made bookcases and cabinets for new medical library. Rebuilt cold storage section of Service Building. Sanded and refinished floors in cottages, wards and center building of Main Group. Built forms for new coal trestle. Made alterations and improvements to Grove Hall, and made alterations to laundry for new mangle.

In the shop, carpenters made step-ladders; bushel boxes for the farm; cases, cupboards and bookcases; doors, sash and frames, including seven refrigerator doors and frames; and repaired furniture of all kinds.

Painters — Prepared and refinished interior of front center building; exterior of laundry building; exterior and interior of kitchen and dining room building; interiors of Cottages 1, 3, 5, and 7; interior of service building; sun porches of main building; outside fire escapes; chain link fences and summer houses in yards; various rooms in ward buildings; refinished and painted various furniture and beds; prepared top floors of ward buildings for new painting; set 1,600 lights of glass and papered three cottages.

Masons — Poured and finished concrete floors in basement; patched and plastered in wards and administration building; put cement lining on cork in refrigerators of service building; built new catch-basins and put in drains; put in tile floors; built concrete curbs for drives; plastering and repairs in service building and Grove Hall; repaired boiler settings; repointed exterior brick walls; put in cement walks; poured concrete coal trestle; relaid rails in basements; put in foundation for mangle in laundry and did miscellaneous plastering and brickwork for repairs throughout buildings of institution.

Blacksmith — Shoed horses; sharpened and made tools; repaired wagons, trucks, farm machinery and tractor; repaired boiler grate bars; made pipe hangers, window grilles and other light iron; repaired fire escapes and made miscellaneous iron work and hardware for other trades.

ENGINEER'S REPORT

The major accomplishments of the Engineering Department for the fiscal year ending November 30, 1935, were as follows:

The cold storage rooms at the Service Building were divided up into smaller rooms and each room was equipped with automatic temperature control. An entire new system of wiring for lights was installed.

The old double pipe ammonia condenser at the power plant was replaced in March by a Guild vertical condenser. The cost was about \$900. A conservative

estimate of water consumption showed a saving of about \$1,000 per year in water, due to this new condenser.

The 150 K.W. Ridgeway engine was re-bored and a speed changer installed in the flywheel. This change was very necessary as we could not operate in parallel with Danvers otherwise.

Danvers current was connected to our switchboard in July and was used entirely until the heating season.

The ammonia compressor at the power plant was overhauled and new feathers installed in the ammonia valves. New piston rods were also put in.

The small refrigerator boxes in A-1, 2, 3, and J-1 and 2 were replaced with electric boxes. This change allowed the removal of over 3,600 feet of cork-covered brine lines and two brine booster pumps. This old equipment was in very poor condition. The change will greatly reduce the cost of refrigeration at these points.

In addition to the above-named places, we installed electric boxes in places where ice was formerly used. The new locations are as follows: Female T.B., B-1, D-1, and I-1; Dr. Goodman's apartment; Cottage No. 1 and Male T.B. building.

A new sewer line was installed from the Female T.B. to the main line near the greenhouse. This replaced an old tile line which was too near the surface of the road and had been badly broken.

The tile sewer line from the Male T.B. was removed and cast iron pipe put in its place. This work was done to avoid the possibility of a cracked sewer tile allowing leakage of sewage into the reservoir which is nearby.

A new system of plumbing was designed for Grove Hall. New water main to the building and new sewer line from the building were installed. The most of the roughing in has been completed.

The high pressure steam line from "J" building to the Male Home was replaced this year. The old line had become unsafe from corrosion and pitting.

A new flatwork ironer was installed in place of the old one. The new machine has a much greater capacity and thoroughly dries the work. The old machine did not dry properly at the speed necessary to get the work done.

A new electric cable was installed from the transformer room in the head house to the laundry to supply A.C. current for the new mangle and other A.C. machines. This cable was installed large enough eventually to carry the whole laundry load.

This department designed equipment and installed same to convert our 80-gallon coffee urns into coffee percolators. This equipment has been very satisfactory in operation.

The problem was put to this department to design and build several metal tables and racks for the service building cold storage rooms, where meat is stored. The only material on hand was a pile of old three-inch boiler tubes. A design has been completed and the tables and racks are being built. The only materials that had to be purchased were galvanized steel sheets for table tops and a few rivets and bolts.

The problem of finding a practical method of getting food trucks from kitchen to wards was presented to this department. The food trucks had to be able to run inside of an old track through the basements and into elevators. Trucks, after leaving the elevators, had to run on linoleum-covered floors without damage to the linoleum. A design has been worked out, drawings made, and nine trucks have been built.

There have been several contract jobs completed, which include many things which this department has had to supervise to some extent. They are as follows:

A new water tank of 100,000 gallons' capacity was erected on the site of the old tank.

A complete new system of water sprinklers was installed in each of the "A" and "J" building attics.

The rest of the main hospital system of attic sprinklers was equipped with new sprinkler heads and changes made to improve the system.

A new wiring system was installed throughout the main hospital and including the two T.B. buildings, Employees' Home, Male Home, Grove Hall, Carpenter shop and Machine shop.

Two extensive bathhouse additions were completed. These contain a lot of very special plumbing, also refrigeration equipment.

The old coal-fired boilers at Middleton Colony were replaced with new boilers, oil-fired. Two tanks of 6,000 gallon capacity each were installed in one end of the old coal bunkers.

FARM REPORT

Despite a prolonged drought of unequaled severity in recent years, all farm crops yielded a fair return, with the exception of potatoes. These were planted on high ground for the greater part of the acreage and suffered from the lack of moisture most severely. The yield was 2,115 bushels of good quality tubers.

The crop of ensilage corn was not quite up to the yield of former years, but 426 tons were harvested.

The hay crop was better than the previous year, production being 295 tons.

The poultry plant may be said to have had a most satisfactory year: 17,411 dozen eggs; 6,227 lbs. dressed fowl, 5,901 lbs. broilers; and 359 lbs. chicken were sent to the store room.

The supply of garbage from the hospital to the piggery has been very much curtailed, due to the installation of a cafeteria system in the main dining room in the hospital for patients and employees. This has necessitated an increased amount of grain for the hogs, which necessarily has increased the cost of pork production. The amount of dressed pork sent to the meat room was 75,715.

Besides the pork production the birthrate was such that we were able to sell to other institution farms in the department, 90 herd of young pigs, which still left us with all the stouts we could winter under cover.

It is to be regretted that our milk production per cow shows a continuous decrease over the last few years, due in large part, no doubt, to the following causes: First, the presence in the herd of infectious mastitis, resulting in much udder trouble frequently of a serious nature, and occasionally causing a partial or complete loss of milk producing ability. Fortunately, mastitis in the herd is now well under control. Second, a wide-spread incidence of contagious abortion. To overcome the ravages of this disease a well-defined program is being carried out, looking to the ultimate control of this serious ailment of cattle. This program is now being carried out under the direction of Mr. Garrett, Farm Coordinator for the Department, and a competent veterinarian. The nature of this program is such that much improvement will not be apparent for some time. The two unfavorable factors above-mentioned caused considerable breeding trouble, which further lessened the milk supply.

Production from the vegetable garden was well up to the average of former years, the only exception being squash, which was somewhat less than in previous years on account of dry weather.

Much grading was done around the I and J buildings after the old bath house was demolished, and a new up-to-date hydrotherapy building erected in its place. This grading was seeded to grass this fall, and will no doubt be an asset to that particular part of the grounds next summer.

Work has progressed steadily on the filter bed project. The cement work and piping has been dug out and removed, and the banks in a large part leveled. The concrete pipe, which takes care of the water in a brook at one time running through the farm, has been extended to a point as near the Ipswich River as was considered practicable for good drainage, covered with about two feet of soil, and the land is now ready for cultivation.

The eight inch iron soil pipe which served Middleton Colony as a sewer before the completion of the South Essex sewer system has been disinterred and removed.

The Culvert under Dayton Street, near the old filter beds, which was very unsightly at both ends, has been neatly graded up and sown to grass seed, which eliminates a poor looking spot on the farm, although not adding much from a utilitarian viewpoint. The complete reclamation of the land occupied by these abandoned filter beds will doubtless furnish work for a period of several years, both for a large group of disturbed patients as well as for the teams which have to be employed during the winter months when regular farm work is in abeyance.

Drain tile has been laid below the cemetery at Middleton Colony, which will make possible the cultivation of a hitherto impassable swamp, adding about three-quarters of an acre to the arable land.

A number of old apple trees well past their usefulness and serving only as hosts and shelter for disease and insects, have been dug up and removed.

Preliminary work has been started on stoning up the sides of the main ditch running from the piggery to the Ipswich River. This project will be carried forward as soon as the ground freezes hard enough to allow teaming to be done on this low land. The object in doing this work is to straighten out and narrow up this ditch which is more or less irregular and in places twelve feet wide.

The old sand pit adjacent to the abandoned Boston and Maine Railroad track was finally completely filled in and graded, and a fair crop of ensilage corn was raised thereon.

The triangular piece of land, part of field No. 9, which was civilized a year ago, was planted this year and a fair crop of string beans was harvested.

A strip of land lying between field No. 16 and the B. & M. right of way was cleaned up this past summer. This land had been unsightly for many years and had served as a dump for all manner of rubbish and debris, but is now cleared completely and will be planted at an early date.

The south side of field No. 16 was cleaned up at the same time. A hollow in field No. 29 which has been too wet heretofore for cultivation is now being filled in with overburden from the gravel pit; this hollow lies between Middleton Colony and the old filter beds, and when finished it will straighten out one side of a field, which heretofore had been quite irregular.

The filling in of the sand pit near the Engineer's house at Middleton Colony is almost done and will be ready for hay land in the near future.

Around the base of a new water tower, which was erected the past year, a cement curbing, fifteen inches in height, was built and the oval filled in and grassed over. This is now much more pleasing to the eye than the conditions existing before the old water tower was pulled down. A somewhat similar curbing was built and filled in on the site of the center house of the passageway, which formerly connected the male wards with the old congregated dining room.

Square yards of road built: Much work has been carried on in the construction of a large parking place near the Female T. B. Building. This is a project of considerable magnitude and will require a good deal of time and labor before it is finished. Large quantities of subsoil must be removed and field and crushed stone must be brought for the surface, but when completed this will eliminate a serious parking problem which has existed for some years and is annually getting more acute.

In October, all our main roads and driveways were surfaced with Tarvia and sand and are now in an improved condition. Approximately 350 square yards in front of machine shop were cleaned up and surfaced with Tarvia and sand, which has greatly improved the means of ingress and egress to the machine, blacksmith, plumber, and electrician shops.

The road from the main hospital to Middleton Colony as well as the various roads around the farm have been maintained in a satisfactory condition by scraping at regular intervals with a tractor-drawn road scraper, and by resurfacing with gravel whenever and wherever the necessity arose.

RELIGIOUS SERVICES

The usual religious services have been held each Sunday in the Chapel by both Protestant and Catholic clergymen, as well as the monthly service at the Middleton Colony. The Jewish patients have met with the Rabbi, who held a monthly service as in former years.

The following clergymen have held services at the hospital during the past year: Rev. Remi B. Schuver, Rev. Frank Peverley, Rev. William Grimes, Rev. Wayne Haskell, Rev. Charles M. Charlton, Rev. Kenneth Henley, Rev. John Knight, Rev. Nathan Matthews, Rev. Moses L. Sedar.

ACKNOWLEDGEMENTS

In conclusion, I wish to express my sincere appreciation to all those who have so generously contributed to our library and Entertainment Fund during the past year, and to the societies and organizations who have brought pleasure to our patients through entertainment. I also wish to express my thanks to all

hospital officers and employees, who have so faithfully discharged their duties and through their efforts have made the work of this year possible. I am extremely grateful to the Department of Mental Diseases and the Board of Trustees for their continued interest and helpfulness.

Respectfully submitted,
CLARENCE A. BONNER, M. D.
Superintendent.

REPORT OF TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the forty-sixth annual report of the Training School for Nurses.

Nurses connected with the school, November 30, 1935:

Principal, School of Nursing	1
Assistant Principal, School of Nursing	1
Chief Supervisor	1
Assistant Supervisors	3
Graduates	30
Hydrotherapists	2
Danvers State Hospital pupil nurses	30
Pupils at Boston City Hospital	15
Affiliating Nurses	9

There were one hundred and fifty-six requests for information in regard to the Training School, thirty-three more than in 1934. Forty-five applications were returned. Nineteen applicants were accepted.

November 30, 1935, our students were as follows: Seniors, 12; Intermediates, 15; Probationers, 18.

The affiliated nurses for the year ending November 30, 1935 were as follows:

Somerville Hospital

Bertha M. French	Louise Boylen
Alda R. Prime	Margaret Rogers
Agnes Gallaher	Gladys H. Briggs
Gertrude DeCoster	Florence L. Hunt

Leominster Hospital

Margaret E. Leighton	Madeline Smith
Alice Bills	Brynhilda Larsen
Charlotte Gamblin	Natalie G. Alterie
Caltha W. Staples	Gladys M. Peel

Henry Heywood Memorial Hospital

Josephine Pobieglo	Roslyn B. Gould
Marion E. Moriarty	Ruth F. Perritt

Mary R. Ryder

New England Sanitarium and Hospital

Roy Smith

Chelsea Memorial Hospital

Eleanor F. Powers	Stacy Matikooris
Anna L. White	Dorothy Robbins
Elsie Olson	Evelyn C. Ekstrom

The graduating exercises were held the evening of September 26. The following nurses received diplomas:

Isabel Anna Chebator	Hilda Dillon Hogg
Rita Catherine Flynn	Julia Ethel Kealey
Bertha Pauline Gens	Ruth Harriett Obear
Catherine Patricia Greene	Antoinette Piragis
Mary Elizabeth Donoghue	Rita Madeline Roy

Anna Marietta Thomas

Antoinette Piragis was awarded the Alumnae Prize of ten dollars for highest rank for three years.

Deaths — Margaret J. Ambrose, Class 1909, died May 5, 1935; Hazel Morse Mars, Class 1932, died July 2, 1935; Rose Emma Mader, Class 1936.

Marriages — Eldora Grace Katon, (Class 1930), to Albert King; Eva Adeline Callahan, (Class 1934), George A. Holland, Jr.; Helen Theresa Riley, (Class 1931), to George Cuddy.

Changes in Personnel — Hydrotherapists: Miss Agnes Mary Walsh, Class 1932; Miss Margaret Copley, Class 1933; Miss Vesta MacLellan, Class 1931.

Part-time instruction of affiliated nurses — Mrs. Eldora King, probation instructor.

In closing I wish to thank the members of the hospital staff for their help and cooperation during the past year.

Respectfully submitted,

OLIVE F. ESTEY, R. N.,

Principal, School of Nursing.

OCCUPATIONAL THERAPY DEPARTMENT

To the Superintendent of the Danvers State Hospital:

It is my privilege to submit the following report of the Occupational Therapy Department for the year ending November 30, 1935:

1. *Reception Service:*

Since May a new service has been started by the Occupational Therapy Department. Graduate therapists visit newly admitted patients with a letter from the Superintendent of the hospital, the purpose being to give the patient information and reassurance concerning his hospitalization in order to help him orient himself as soon as possible. The life inside the hospital, opportunities for treatment and occupations, as well as the regulations of behavior necessary for a harmonious atmosphere, are rehearsed to each patient interviewed. In six months, 163 females out of 211 have been interviewed; of the remainder, 8 were on the danger list, 17 were too active, 7 stuporous, 7 discharged and 8 deceased. Out of 302 male patients admitted, 220 were interviewed; of the rest, 4 were on the danger list, 21 too active, 11 too stuporous and 16 died before seen. As a result of these interviews, patients' names are referred to the librarian, Occupational Therapist, to the doctors for industrial recommendation, and Occupational Therapy classes for treatment.

2. *Educational Therapy:*

A. *Patients' Library* — There are 2,242 books in the library with an approximate daily withdrawal of 28 books. Parole patients use the library as a reading room; 50 non-parole patients are taken once a week to the library to select books while a student therapist devotes two afternoons a week to the distribution of books and magazines to the wards where patients cannot attend the library.

B. *Exhibits* — Monthly hobby exhibits are held in the patient's library. Some of the subjects have been on Arctic Exploration, Dogs, Ship Models, Posters, Hawaiian Occupational Therapy Projects and Mexican Art and Handwork. The latter was an educational experiment; 25 patients, approved by members of the staff were invited to attend a tea at which a speaker on Mexican Art, the owner of the exhibit, gave a very interesting talk and informal discussion.

C. *Correspondence Courses* — Several patients have been receiving instruction from the Division of University Extension under the new free courses for inmates of institutions: English; Bookkeeping; Radio Construction; Heating and Ventilation; and Salesmanship. One patient, before his discharge, received his certificate in the course on "Gasoline Engines."

D. *Sightseeing Tours* — Thirty patients enjoyed visiting the Topsfield Fair this fall; attendants accompanied them but the patients did not feel restricted as they went to see all the exhibits they wanted to. Other short trips are arranged to parts of the hospital.

E. *Hospital Newspaper* — "Hill Topics" is now a two-page edition put out by the Occupational Therapy Department. It often contains articles by the doctors or department heads, as well as news of the institution, current events and fillers of philosophy, humor and observations.

3. *Musical Therapy:*

A choir of twenty voices has been organized and is conducted by a talented patient. Sunday choral singing and special holiday music in the cafeteria are the results.

4. *Recreational Therapy:*

Entertainments: The Christmas parties for 1934 were a rodeo dance and stunt carnival for the patients. Dances, whist parties and other recreational features are conducted by the department for the recreation and socialization of the patients. Weekly there is a performance by the W.P.A. unit of entertainers; a regular therapist arranges for performers to receive equipment necessary for shows and is on duty during the performance as hostess.

5. *Psychiatric Occupational Therapy:*

Weekly conferences are held between the regular therapists and doctors to discuss cases and treatments, to recommend patients for industry, Occupational Therapy, visit or parole; trips to the ward and shop classes are made. For staff meetings reports of patients who are working in classes are made in the records. Student therapists are assigned to special patients to give individual attention. Those patients for whom Occupational Therapy has been prescribed by the doctor are assigned to classes with the best set-up for the individual problem; physical education; book-binding; libraries; correspondence courses; ward classes or shop with programs of occupation to be therapeutic to patient.

A medical library was opened in August for the staff and medical students. Monthly teas have been conducted for staff and medical departments in the MacDonald Medical Library.

6. *Medical Occupational Therapy:*

Several orthopedic problems, fracture cases, have been referred to this department for treatment. After therapeutic occupation, a greater range of motion was apparent. Tubercular and cardiac patients work in shorter periods with precautions.

7. *Industrial Therapy under Occupational Therapy:*

Patients are enjoying working on decorative pillows and curtains to make their own wards more attractive. These patients are not assigned to Occupational Therapy as acute cases but comprise the great amount of chronic patients formerly idle on the wards as they are not well enough for continual occupation without constant supervision. The purpose is to stimulate a work habit and circulation without pressure or unpleasant associations. Weekly classes are conducted by the Occupational Therapist on alternating wards, including the back wards where the nurses have been so enthusiastic over having constructive occupation for their patients that they request more materials for daily occupation at the demands of the patients, who enjoy the feeling of doing something, whether it is hemming a napkin or doing embroidery on a ward decoration. It is this attitude during work that is so important in the industrial occupation of mental patients particularly.

8. *Classes in Occupational Therapy:*

Routine operation of the department consists of two shop classes, male and female; four female ward classes; three male ward classes; and one bookbinding class, making a total of ten classes aside from the special librarians, dramatic, musical and educational groups. There is one registered Occupational Therapist as Director, three graduate therapists and one graduate Physical Education Instructor. Each six months there have been six students receiving training; three groups of affiliate nurses and one group of hospital student nurses receiving their courses in Occupational Therapy with nine hours of lectures and fifteen hours of craftwork. On December 1, 1934, there were 188 patients in class. During the year, 286 patients new to the hospital were treated and 179 readmissions. Of these, 138 have gone into industry and 95 have left the hospital.

9. *Department Administration:*

The following changes in department personnel have taken place within the last year: Miss Frances Howard, graduate of the 1935 class of The Boston School of Occupational Therapy, replaced Miss Polly K. Francis, who resigned to organize and direct a department of Occupational Therapy at Baldwinsville Hospital Cottages for Children. Miss Doris Wilkins, now Director at State Farm, was

replaced by Miss Elizabeth Hayden, B.S.O.T. 1934, from Grafton and Ann Arbor University General Hospital. Miss Eleanor Dustin, B.S.O.T. 1935, has replaced Miss Margaret Overson. Miss Francis returned in August to assume directorship of the department as Miss Fish is now in charge of research at the Boston school.

10. *Education of the Public:*

In the spring, there was an exhibit of posters and open house for the public. The shops contained exhibits of the patients' accomplishments. The annual exhibit at the Topsfield Fair has been one of the best forms of educating the laymen concerning the newer type of mental hospital. Charts of hospital treatment and occupations were on display, as well as some of the products of the Occupational Therapy and Industrial Shops. The public never fails to be absorbed by the material and refers the exhibits to friends. This year some of the visitors were Social Service workers and Girl Scouts from France and England, parole board members from New York, who were interested in occupation for defective delinquent boys, as well as others interested in trades, ministry and the arts. The fact that the patients were people, capable for a great part in taking their share in the activity with favorable environmental influences, was stressed to the public in order to obtain their understanding and appreciation of mental patients.

11. *Physical Education:*

Physical education classes are conducted in the Chapel and wards during the winter and out of doors during the summer. A total of 240 patients, averaging 170 a month, come under this form of treatment. The classes are divided according to the patient's condition — deteriorated, inactive deteriorated, active and improved.

The improved female class consists of marching, with music, day's order, followed by period of free play — volley ball, basketball, indoor tennis, relay games and dancing.

The improved male class participates in a whole period of free play — volley ball, basketball, tumbling, relay games and some dancing.

The deteriorated inactive class (female) consists of a few rhythmical circle games, simple marching (with music), day's order, jumping rope, relay games and dancing.

The deteriorated active class (female) consists of rhythmical circle games, simple marching (with music), singing games, relay games and dancing. A musical program has been followed as it has proved very quieting with this type of patient.

The deteriorated male class consists of relay games, volley ball, indoor baseball, a few circle games, ending with music. (This is usually furnished by a member of the class.)

A male tennis class has been organized in addition to the female class which has proved very beneficial and interesting to the improved type of patient.

Long hikes are a regular feature in the program of physical education, as well as short ones for acute patients who are unable to go on the longer ones.

A shuffle board has been started in the Occupational Therapy garden and classes will be conducted there in the spring. The hospital tennis court was flooded for skating but as it proved unsatisfactory another attempt will be made elsewhere this season.

Respectfully submitted,

POLLY K. FRANCIS

Director of Occupational Therapy.

SOCIAL SERVICE REPORT

To the Superintendent of the Danvers State Hospital:

I have the honor to submit the annual report of the Social Service Department for the year ending November 30, 1935.

During the year 1,690 cases were referred to our department. Of these, 1,171 were hospital cases; 390 child guidance clinic cases; 91 adult mental hygiene clinic cases; and 38 outside cases. With the hospital cases, as in the past, most of the work was history taking, 991 being referred for histories as against 126 for supervision. Only 23 were referred for home investigations prior to patients leaving the hospital. With history taking dominating the work of the Department — almost to the exclusion of anything else — the hospital and the clinics are losing

the real contribution social work has to make toward effecting social adjustments for patients.

The combination of hospital and clinic work is most interesting, but much more work is expected of us than is possible to accomplish. To carry on the work of our Department as at present organized, there should be three additional trained social workers. This would enable each social worker to have one weekly clinic instead of two as at present, and to do more community work connected with the clinics as well as attempting an adequate program for supervising patients on visit from the hospital.

Miss Ida Metz, a graduate of St. Lawrence University, was a student taking the Department training course. She left in June. In September, Miss Barbara Redden, graduate of New Hampshire State University, and Miss Gertrude Allen, graduate of Smith College, came as students. Miss Helen E. Riley resigned to accept a position at the Metropolitan State Hospital. Miss Sara Karp, a former student in the Department was appointed to take her place. Miss Helen Hollander, a former student, substituted during leave of absence of two workers. In September, Miss Ann Condran was assigned as historian.

We appreciate very much the cooperation of the Superintendent and the members of the staff.

Respectfully submitted,

MARY H. HOLLAND

Head Social Worker.

REPORT OF THE CHILD GUIDANCE AND SCHOOL CLINICS

To the Superintendent of the Danvers State Hospital:

It is my pleasure to submit the following report of work in Child Guidance Clinics, School Clinics and the Juvenile Court examinations for the year ending November 30, 1935. There has been a definite increase in the number of cases referred in each of the three divisions of this department.

Until the end of June, 1935, we had Dr. Lois E. Taylor with us. Dr. Taylor concentrated her efforts on a large share of the 624 children who were examined in the Travelling School Clinic. Of these, 427 were boys and 197 were girls. To further analyze these cases, we found 142 (boys 88, girls 54) who were definitely in the group of the feeble-minded. Among these 625 children, 101 cases were re-examinations. There were, however, 255 more cases examined than the preceding year. Methuen, which had not been availing itself of the Clinic, brought this unusually large total because it referred nearly 200 cases which we studied. During this past year, Dr. Dayton assigned Gloucester and Lowell to us in addition to our former 36 cities, 19 of which we visited during the year.

Dr. Flora M. Remillard, B.S., M. D., of the University of Vermont and Saco, Maine, joined our staff. In November, she successfully completed her National Board Examinations and is now a Diplomate of the National Board.

We added no new Child Guidance Clinics and made no changes in the generally very satisfactory local addresses of the various clinics. During the period from December 1, 1934 to November 30, 1935 we studied 189 new cases. This is 40 more than the preceding year. A number of cases referred in previous years were carried over for continued treatment. Our clinics are held one-half day weekly in Lynn, Salem, Beverly, Haverhill and Melrose. In Newburyport we meet the second and fourth Friday afternoons. In Lawrence we meet the first and third Friday mornings.

The examination of Juvenile Delinquents under Section 215 showed an increase 75 cases this year. We examined a total of 265 children in the various District Courts. A summary of these cases is interesting and enlightening and is noted below:

From June through September we reached our highest number of examinations except December and again in February. With the exception of February these represent months when vacations prevail and some children are less wholesomely occupied and supervised than in school months—thereby finding themselves more often in difficulty with the law. As offenders, boys predominated, 238 to 27. Of the charges against the girls, well over 75 per cent were sex delinquencies. In

some instances more than one charge was preferred against an individual but the charges in order of frequency were as follows:

Breaking, entering and larceny	219 cases
Stubbornness and disobedience	38 cases
Truancy	23 cases
Lewdness	23 cases
Malicious destruction of property	16 cases
Unlawful appropriation of automobiles	10 cases

It is also interesting to note in the table below the ages of the children and the intelligence shown among these youthful offenders:

Juvenile Delinquents
December 1, 1934 — November 30, 1935

AGE GROUPS	Total			Normal			Sub-Normal			Feeble-minded			Psychotic			Psychoses with Feeble-mindedness		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 12	48	2	50	33	2	35	14	-	14	1	-	1	-	-	-	-	-	-
12-15	107	15	122	69	7	76	28	5	33	9	3	12	1	-	1	-	-	-
15-18	83	10	93	35	5	40	36	5	41	12	-	12	-	-	-	-	-	-
Totals	238	27	265	137	14	151	78	10	88	22	3	25	1	-	1	-	-	-

In four cases a “deferred” diagnosis had to be made. It is also of interest to note that 125 of the children had one or both parents who were foreign born.

The usual custom of taking the student and affiliate nurses, the clinical assistants and the Occupational Therapy students to observe clinic methods was carried out. Two physicians in the community also visited the clinics, one regularly and the other not infrequently, to observe our methods. This department also gave numerous talks to Parent-Teacher groups, Mothers’ Clubs and student groups in high schools to assist in interpretation of mental hygiene methods and to explain the facilities offered by our Child Guidance Clinics.

To conclude, all branches of this department grew this year. The grand total of children with whom we made contacts was 1,078, a larger number than in any preceding year.

Respectfully submitted,
DORIS M. SIDWELL, M. D.

PSYCHOLOGICAL REPORT

To the Superintendent of the Danvers State Hospital:

I have the honor to present the annual report of the Department of Psychology for the year ending November 30, 1935.

Our personnel for the year has included Alice Schoenfuss, Faith Kellogg, Harriet Metzger and Jane Sullivan; Miss Metzger leaving in August and Miss Sullivan taking her place in September. During the month of July we had the additional assistance of Arthur H. Ruggles, Jr.

Psychometric examinations have been administered individually to hospital patients and outside cases, as follows:

Newly admitted hospital patients	538
Children examined in Child Guidance Clinics	183
Adolescent cases in Lynn Adult Clinic	12
Juvenile offenders, examined in Court	263
Children tested in School Clinics	566
Other cases, examined for special reasons	11

Total number of individual examinations 1,573

At the request of the Essex County Agricultural School, we gave a group examination to the 108 new students who entered the school in September. Two

persons found to be suitable subjects for individual effort in mental hygiene were interviewed at frequent intervals throughout the school year.

Our psychometric examination, even in its simplest form, calls for some active cooperation on the part of the subject. It is not to be expected that all incoming patients will respond to the test, nor that all examinations can be completed. Patients upwards of sixty years of age are excluded automatically from our testing service, and below that age we aim to include as many as can be persuaded to give a minimal degree of cooperation. The number of newly admitted patients within our age limit was 672, and the 538 persons examined constitute eighty per cent of the total number on our list for examination. Among the twenty per cent not examined, any patient still in the hospital will be tested later in the event of such change in his condition as would make an examination possible.

Sixty-five of the patients examined were foreign-born persons having little or no knowledge of the English language. Examination of such persons is inadequate at best, because our non-language tests have been developed and standardized with reference to American children rather than adult immigrants. One of our research studies in progress is the development of a system of examination especially adapted to foreign patients.

One minor paper has been accepted for publication, to appear early in the coming year. The members of our Department have also taken an assistant's part in some of the medical researches of the hospital.

A four-hour course in clinical psychometrics and six lectures in general psychology have been given for the instruction of nurses and occupational therapy students, these courses being repeated for each group of visiting students. A less formal four-hour course has been conducted for each group of medical internes.

Three conferences have been held with the directors of the Essex County Health Camp, for the purpose of promoting a deeper understanding of the children who spend the summer at camp. Five informal lectures have been given outside of the hospital by members of the department, at the special request of some institution.

We have had eleven visits from psychologists, and have given them full instructions for the use of certain unpublished tests which have been developed in this hospital.

Respectfully submitted,

GRACE H. KENT, Ph. D.

VALUATION

November 30, 1935

REAL ESTATE

Land, 517.68 acres	\$101,317.00
Buildings and Betterments	2,870,521.82
	<hr/>
	\$2,971,838.82

PERSONAL PROPERTY

Travel, transportation and office expenses	\$4,371.67
Food	14,868.69
Clothing and materials	19,574.10
Furnishings and household supplies	123,108.79
Medical and general care	11,577.30
Heat and other plant operation	23,261.28
Farm	63,142.56
Garage and grounds	2,011.07
Repairs	20,886.11
	<hr/>
	\$282,801.57

SUMMARY

Real estate	\$2,971,838.82
Personal property	282,801.57
	<hr/>
	\$3,254,640.39

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1935.

STATEMENT OF EARNINGS

Board of Patients	\$107,538.71
Personal Services:	
Reimbursement from Board of Retirement	221.00

Sales:

Travel, transportation and office expenses	\$1.75	
Food	710.91	
Clothing and materials	47.90	
Furnishings and household supplies	17.50	
Medical and general care	85.33	
Heat and other plant operations	153.17	
Garage and grounds	83.55	
Repairs ordinary	315.63	
Farm (itemized)		
Calves and pigs	202.57	
Hides	54.70	
Bags and barrels	130.08	
Wood	138.25	
Total sales		1,941.34
Miscellaneous:		
Rents		739.84
Total Earnings for the year		\$110,440.89
Total Cash receipts reverting and transferred to the State Treasurer		\$110,360.65
Accounts receivable outstanding Dec. 1, 1934	\$417.62	
Charged Off	374.90	
Accounts receivable outstanding Nov. 30, 1935	122.96	
Accounts receivable increased		\$80.24

MAINTENANCE APPROPRIATIONS

Balance from previous year, brought forward		\$19,022.00
Appropriation, current year		751,850.00
Total		\$770,872.00
Expenditures as follows:		
1. Personal services	\$366,912.74	
2. Food	115,467.14	
3. Medical and general care	14,448.93	
4. Religious instruction	2,032.02	
5. Farm	30,016.22	
6. Heat and other plant operation	117,228.20	
7. Travel, transportation and office expenses	7,725.83	
8. Garage and grounds: Garage \$3,033.07; grounds, \$2,174.28	5,207.35	
9. Clothing and materials	27,664.02	
10. Furnishings and household supplies	31,023.87	
11. Repairs ordinary	18,691.19	
12. Repairs and renewals	15,680.51	
Total maintenance expenditures		\$752,098.02
Balance of Maintenance Appropriation, Nov. 30, 1935		18,773.98
		\$770,872.00

SPECIAL APPROPRIATIONS

Balance December 1, 1934, brought forward		\$186,803.07
Appropriations for current year		287,250.00
Total		\$474,053.07
Expended during the year (see statement below)	\$241,234.92	
Reverting to Treasury of Commonwealth		241,234.92
Balance November 30, 1935, carried to next year		\$232,818.15

APPROPRIATION	Act or Resolve	Total Amount Appropriated	Expended during fiscal year	Total Expended to date	Balance at end of year
Canning equipment	249-1935	\$2,400.00	\$2,194.76	\$2,194.76	\$205.24
Flat Iron Worker	249-1935	8,850.00	8,769.72	8,769.72	80.28
Installation power plant equip- ment	249-1935	3,000.00	-	-	3,000.00
Boiler room equipment and re- pairs	249-1935	19,500.00	13,503.21	13,503.21	5,996.79
Remodeling Grove Hall Build- ing	249-1935	6,000.00	2,894.68	2,894.68	3,105.32
Mass. State Proj. M7, Docket 2641 Hydrotherapy Buildings		145,000.00	99,887.00	132,826.76	12,173.24
Mass. State Proj. M42, Docket 4666, Sprinklers, Rewiring and Fireproof Stairs		122,000.00	113,785.81	120,042.98	1,957.02
Mass. State Proj. M101, Docket 1134, Three Boilers		150,000.00	107.90	107.90	149,892.10
Mass. State Proj. M112, Docket 1152, Fire Alarm		56,500.00	91.84	91.84	56,408.16

PER CAPITA

During the year the average number of patients has been, 2,177.
Total cost of maintenance, \$752,098.02.
Equal to a weekly per capita cost of (52 weeks to year), \$6.643.
Total receipts for the year, \$110,360.65.
Equal to a weekly per capita of, \$.974.
Total net cost of Maintenance for year, \$641,737.37.
Net weekly per capita, \$5.669.

Respectfully submitted,
HULDA ARONSON,
Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY THE
MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Information

(Data correct at end of institution year November 30, 1935)

Date of opening as a hospital for mental diseases, May 13, 1878.
Type of hospital: State.
Hospital plant:

Value of hospital property:	
Real estate, including buildings	\$2,971,838.82
Personal property	282,801.57
Total	\$3,254,640.39
Total acreage of hospital property owned, 517.68.	
Total acreage under cultivation during previous year, 364.5.	

Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	6	4	10	1	—	1
Clinical assistants	2	—	2	—	—	—
Total physicians	9	4	13	1	—	1
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	42	42	—	—	—
Other nurses and attendants	129	136	265	—	—	—
Occupational therapists	—	5	5	—	—	—
Social workers	—	4	4	—	—	—
All other officers and employees	102	69	171	7	—	7
Total officers and employees	243	260	503	8	—	8

Classification by Diagnosis, September 30, 1935

Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane	1,025	1,138	2,163	170	185	355
Epileptics	—	1	1	—	—	—
Alcoholics	3	1	4	—	—	—
All other cases	4	2	6	—	1	1
Total	1,032	1,142	2,174	170	186	356
OTHER RACES:						
Insane	16	11	27	1	1	2
Total	16	11	27	1	1	2
Grand Total	1,048	1,153	2,201	171	187	358

	M.	F.	T.
Patients under treatment in occupational-therapy classes, including physical training, on date of report	108	312	420
Other patients employed in general work of hospital on date of report	520	204	724
Average daily number of all patients actually in hospital during year	1,037	1,140	2,177
Voluntary patients admitted during year	3	1	4
Persons given advice or treatment in out-patient clinics during year	412	125	537

TABLE 2. *Movement of Patient Population for the Year Ended September 30, 1935*

(Data in all of the following tables are based on the Statistical Year, October 1, 1934 to September 30, 1935).

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY Care			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1934	1,171	1,326	2,497	1,165	1,321	2,486	2	4	6	3	1	4	1	—	1
Admissions during year:															
First admissions	386	331	717	255	266	521	44	25	69	85	40	125	2	2	2
Readmissions	125	86	211	62	63	125	25	12	37	37	10	47	1	1	2
Total admissions	511	417	928	317	329	646	69	37	106	122	50	172	3	1	4
Transfers from other mental hospitals	11	16	27	11	16	27	—	—	—	—	—	—	—	—	—
Total received during year	522	433	955	328	345	673	69	37	106	122	50	172	3	1	4
Total on books during year	1,693	1,759	3,452	1,493	1,666	3,159	71	41	112	125	51	176	4	1	5
Discharged from books during year:															
As recovered	43	7	50	5	1	6	15	3	18	23	3	26	—	—	—
As improved	149	133	282	120	104	224	13	13	26	16	16	32	—	—	—
As unimproved	9	23	32	3	6	9	1	2	3	5	15	20	—	—	—
As without psychosis	103	24	127	4	—	4	29	14	43	68	9	77	2	1	3
Total discharged to community	304	187	491	132	111	243	58	32	90	112	43	155	2	1	3
Transferred to other mental hospitals	31	70	101	31	70	101	—	—	—	—	—	—	—	—	—
Died during year	139	162	301	119	151	270	9	5	14	11	6	17	—	—	—
Total discharged, transferred and died during year	474	419	893	282	332	614	67	37	104	123	49	172	2	1	3
Patients remaining on books of hospital at end of year:															
In hospital	1,048	1,153	2,201	1,040	1,147	2,187	4	4	8	2	2	4	2	—	2
On parole or otherwise absent	171	187	358	171	187	358	4	4	—	—	—	—	—	—	—
Total	1,219	1,340	2,559	1,211	1,334	2,545	4	4	8	2	2	4	2	—	2

SUPPLEMENTARY DATA

Average daily number of patients on books during year																
Actually in institution during year																
In family care																
On visit																
On escape																
Number of patients actually remaining in institution September 30, 1935																
State																
Reimbursing																
Number of patients in family care September 30, 1935:																
State																
Self-supporting																
Private																
Number of non-insane patients in hospital at end of institution year:																
Epileptic																
Others																

M.	F.	T.
1,191	1,320	2,511
1,034	1,142	2,176
—	9	9
158	171	329
11	.58	11.58
937	950	1,887
111	203	314
—	8	8
—	1	1
—	2	2
—	1	1
7	3	10

TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States ¹	168	164	332	84	87	70	86	93	75
Austria	2	—	2	2	2	2	—	—	—
Belgium	—	2	2	—	—	—	2	2	2
Canada ²	24	31	55	43	45	35	42	37	30
England	10	6	16	13	14	9	11	11	7
France	1	1	2	1	1	1	1	1	1
Germany	2	1	3	4	3	3	4	1	1
Greece	1	2	3	1	1	1	2	2	2
Ireland	12	19	31	46	42	38	50	51	45
Italy	12	15	27	18	18	17	24	24	24
Norway	3	—	3	3	3	3	—	—	—
Poland	2	2	4	4	4	4	2	2	2
Portugal	—	2	2	2	2	1	2	3	2
Russia	4	11	15	7	7	7	14	13	13
Scotland	2	3	5	7	6	5	7	3	3
South America	—	1	1	—	—	—	—	—	—
Sweden	2	1	3	5	5	5	2	3	2
Turkey in Europe	2	—	2	2	2	2	—	—	—
West Indies ³	1	1	2	1	1	1	1	—	—
Other Countries	6	3	9	8	7	7	6	6	6
Unknown	1	1	2	4	5	3	10	14	8
Total	255	266	521	255	255	214	266	266	223

¹Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.²Includes Newfoundland.³Except Cuba, Porto Rico and Virgin Islands.

TABLE 4. Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born

AGE AT ADMISSION YEARS	NATIVE BORN						FOREIGN BORN						Nativity Unknown											
	AGGREGATE			TOTAL			PARENTAGE			TOTAL				TIME IN UNITED STATES BEFORE ADMISSION										
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	Native	Foreign	Mixed	Unknown	M. F. T.	Under 5 years		5-9 years	10-14 years	15 years and over	Unknown							
0-14	1	1	2	-	1	1	5	4	1	1	-	-	-	1	-	-	-	-	-					
15-19	13	7	20	13	7	20	9	2	4	-	-	-	-	-	-	-	-	-	-					
20-24	23	19	42	20	18	38	9	9	2	5	-	-	-	-	2	1	3	-	-					
25-29	17	20	37	15	15	30	8	4	12	3	1	-	1	1	3	2	5	-	-					
30-34	18	18	36	14	14	28	3	4	7	6	4	10	-	-	2	2	3	-	-					
35-39	17	25	42	12	18	30	8	6	14	1	6	7	-	-	3	3	6	-	-					
40-44	24	32	56	15	17	32	4	7	11	5	5	10	-	-	6	13	19	-	-					
45-49	13	21	34	7	12	19	2	4	6	3	4	7	1	-	2	2	6	3	-					
50-54	19	25	44	11	14	25	5	5	10	2	5	7	-	-	2	2	7	1	1					
55-59	15	11	26	7	3	10	4	3	7	2	5	7	-	-	2	2	7	1	1					
60-64	20	13	33	8	6	14	3	4	7	1	4	4	-	-	8	7	15	-	-					
65-69	23	21	44	12	9	21	5	7	12	3	1	4	-	-	10	7	17	-	-					
70-74	16	14	30	7	6	13	4	3	1	1	1	2	-	-	11	10	21	-	-					
75-79	21	18	39	16	11	27	9	8	17	3	1	4	-	-	9	8	17	-	-					
80-84	11	12	23	8	9	17	3	4	1	1	1	4	-	-	4	7	11	-	-					
85 years and over	4	9	13	3	4	7	2	2	4	-	1	1	2	-	-	3	3	6	-	-				
Total.	255	266	521	168	164	332	70	74	144	36	37	73	2	7	9	74	81	155	6	4	10	1	1	2

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	168	164	332
Citizens by naturalization	36	42	78
Aliens	35	44	79
Citizenship unknown	16	16	32
Total	255	266	521

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			With syphilitic meningo-encephalitis			With other forms of syphilis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Armenian	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	42	52	94	3	2	5	-	-	-	1	1	-	1	-	1	3	-	3
French	19	12	31	1	-	1	-	-	-	-	-	-	1	1	-	4	-	4
German	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	7	10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	60	59	119	4	1	5	1	-	1	-	-	-	-	-	-	11	4	15
Italian ¹	19	24	43	1	-	1	-	-	-	1	1	-	-	-	-	2	-	2
Lithuanian	3	4	7	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Portuguese	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Scandinavian ²	8	2	10	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	7	5	12	1	-	1	-	-	-	-	-	-	-	-	-	1	2	3
Syrian	1	2	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	70	61	131	3	1	4	1	-	1	-	-	-	1	-	1	5	1	6
Race unknown	-	19	19	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Total	255	266	521	15	6	21	2	-	2	-	2	2	2	1	3	31	7	38

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Due to drugs, etc.			Traumatic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)			Senile psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	1	-	1
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	1	-	1	21	16	37	1	1	2	-	-	-	-	7	7
French	-	-	-	-	1	1	5	5	10	-	-	-	-	-	-	1	-	1
German	-	-	-	-	-	-	2	1	3	-	-	-	-	-	-	1	-	1
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	2	1	3	-	-	-	2	1	3	-	2	2
Irish	-	-	-	2	-	2	16	12	28	1	1	-	1	-	1	4	7	11
Italian ¹	-	-	-	1	-	1	3	1	4	2	2	-	-	-	-	-	2	2
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	4	-	4	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	1	1	3	1	4	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	-	1	1	21	10	31	-	1	1	-	1	1	5	7	12
Race unknown	-	1	1	-	-	-	-	5	5	-	-	-	-	-	-	-	2	2
Total	-	1	1	5	3	8	77	53	130	1	5	6	3	2	5	13	27	40

¹Includes "North" and "South"²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinain, Montenegrin, Moragian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Involutional psychoses			Due to other metabolic diseases, etc.			Due to new growth			With organic changes of nervous system			Psycho-neuroses			Manic-depressive psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	1	2	3	—	2	2	—	—	—	—	1	1	—	3	3	—	2	2
French	—	1	1	1	—	1	—	—	—	—	—	—	—	1	1	1	1	2
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	3	4
Irish	1	2	3	—	2	2	—	—	—	—	—	—	1	1	2	—	—	—
Italian ¹	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—	1	2	3
Lithuanian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Slavonic ³	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Turkish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Mixed	1	7	8	—	4	4	—	1	1	3	—	3	1	2	3	2	4	6
Race unknown	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—	—	1	1
Total	3	16	19	2	10	12	—	1	1	3	1	4	2	7	9	5	16	21

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Dementia praecox			Paranoid and paranoid conditions			With psychopathic personality			With mental deficiency			Without psychoses			Primary behavior disorders		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	8	13	21	—	—	—	1	—	1	1	2	3	1	—	1	—	—	—
French	5	2	7	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
German	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	2	2	4	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Irish	19	26	45	—	1	1	—	—	—	—	2	2	—	—	—	—	—	—
Italian ¹	8	13	21	1	—	1	—	—	—	1	1	2	—	1	1	—	—	—
Lithuanian	—	3	3	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Portuguese	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	3	1	4	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	23	17	40	—	—	—	1	1	2	1	3	4	1	—	1	1	—	1
Race unknown	—	3	3	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Total	80	94	174	1	2	3	2	3	5	5	8	13	2	1	3	1	—	1

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. Age of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	15	6	21	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	2	2	-	-	-	-	-	-	1	1	-	-	-	-
With other infectious diseases	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	31	7	38	-	-	-	-	-	-	-	-	-	1	-	1
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	5	3	8	-	-	-	-	-	-	-	-	-	1	-	1
With cerebral arteriosclerosis	77	53	130	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	3	2	5	-	-	-	1	1	1	1	-	1	-	-	-
Senile psychoses	13	27	40	-	-	-	-	-	-	-	-	-	-	-	-
Involuntional psychoses	3	16	19	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	2	10	12	-	-	-	-	-	-	-	-	-	-	1	1
Due to new growth	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	3	1	4	1	-	1	1	-	1	-	-	-	-	-	-
Psychoneuroses	2	7	9	-	-	-	-	-	-	1	-	1	-	-	-
Manic-depressive psychoses	5	16	21	-	-	-	-	-	-	1	1	2	-	1	1
Dementia praecox	80	94	174	-	1	1	9	4	13	18	13	31	13	17	30
Paranoia and paranoid conditions	1	2	3	-	-	-	-	-	-	-	-	-	1	-	1
With psychopathic personality	2	3	5	-	-	-	1	1	2	-	-	-	-	1	1
With mental deficiency	5	8	13	-	-	-	2	-	2	1	4	5	-	-	-
Without psychoses	2	1	3	-	-	-	1	1	-	-	-	-	1	-	1
Primary behavior disorders	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Total	255	266	521	1	1	2	13	7	20	23	19	42	17	20	37

TABLE 7. Age of First Admissions Classified with Reference to Principal Psychoses — Continued

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	2	2	4	3	-	3	2	2	4	3	1	4	2	-	2
With other forms of syphilis	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
With epidemic encephalitis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	1	-	1
Alcoholic psychoses	4	-	4	2	1	3	7	1	8	3	-	3	5	4	9	2	1	3
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	1	3
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	1	1	2	5	1	6	6	1	7
With other disturbances of circulation	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	1	-	1	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntional psychoses	-	-	-	-	-	-	-	-	-	-	6	6	1	6	7	1	4	5
Due to other metabolic diseases, etc.	2	-	2	-	5	5	-	2	2	-	-	-	-	-	-	-	1	1
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	1	1	-	2	2	-	1	1	-	1	1	1	2	3	-	-	-
Manic-depressive psychoses	1	1	2	1	2	3	1	2	3	-	2	2	-	4	4	-	1	1
Dementia praecox	8	13	21	11	11	22	12	19	31	5	8	13	3	4	7	1	2	3
Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With mental deficiency	2	1	3	-	1	1	-	2	2	-	-	-	-	-	-	-	-	-
Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	18	18	36	17	25	42	24	32	56	13	21	34	19	25	44	15	11	26

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic men- ingo-encephalitis .	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
With other forms of syphilis .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic en- cephalitis .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses .	4	-	4	2	-	2	1	-	1	-	-	-	-	-	-	-	-	-
Due to drugs, etc. .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses .	-	-	-	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-
With cerebral arterio- sclerosis .	11	6	17	17	16	33	14	9	23	16	12	28	5	4	9	2	3	5
With other distur- bances of circulation .	-	1	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
With convulsive dis- orders (epilepsy) .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses .	-	-	-	2	4	6	-	3	3	5	6	11	5	8	13	1	6	7
Involuntional psycho- ses .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other meta- bolic diseases, etc. .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses .	1	1	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Dementia praecox .	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and para- noid conditions .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With mental deficiency .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Primary behavior dis- orders .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . .	20	13	33	23	21	44	16	14	30	21	18	39	11	12	23	4	9	13

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

Psychoses	Total			Illiterate			Reads Only			Reads and Writes			Common School			High School			College			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis.	15	6	21	2	-	2	-	-	-	1	-	1	9	4	13	1	2	3	1	-	1	1	-	1
With other forms of syphilis	2	-	2	-	-	-	-	-	-	-	-	-	2	2	2	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	2	2	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
With other infectious diseases	2	1	3	-	-	-	-	-	-	-	-	-	2	1	3	-	-	-	-	-	-	3	1	4
Alcoholic psychoses	31	7	38	1	1	2	-	1	1	1	-	1	24	4	28	2	2	2	-	-	-	-	-	-
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-
Traumatic psychoses	5	3	8	-	1	1	-	-	-	-	-	-	4	2	6	1	1	1	-	-	-	-	-	-
With cerebral arteriosclerosis	77	53	130	5	5	10	-	-	-	9	2	11	47	29	76	6	8	14	1	1	2	9	8	17
With other disturbances of circulation	1	5	6	-	1	1	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	1	-	1
With convulsive disorders (epilepsy)	3	2	5	-	1	1	-	1	1	1	-	1	1	1	1	1	1	1	-	-	-	-	-	-
Senile psychoses	13	27	40	-	4	4	-	-	-	1	-	1	7	13	20	1	2	3	-	1	1	4	7	11
Involuntal psychoses	3	16	19	-	2	2	-	-	-	1	-	1	2	9	11	1	5	6	-	-	-	-	2	2
Due to other metabolic diseases, etc.	2	10	12	1	-	1	-	-	-	1	-	1	-	4	4	-	4	4	-	-	-	-	-	-
With organic changes of nervous system	3	1	4	1	-	1	-	-	-	-	-	-	1	1	2	-	-	-	1	1	1	-	-	-
Psychoneuroses	2	7	9	-	-	-	-	-	-	-	-	-	1	4	4	2	2	4	-	1	1	-	-	-
Manic-depressive psychoses	5	16	21	-	2	2	-	-	-	-	1	1	3	10	13	2	3	5	-	5	5	4	2	6
Dementia praecox	80	94	174	1	7	8	-	-	-	7	4	11	46	45	91	22	31	53	-	5	5	-	-	-
Paranoia and paranoid conditions	1	2	3	-	-	-	-	-	-	-	-	-	2	2	2	-	-	-	1	-	1	-	-	-
With psychopathic personality	2	3	5	-	-	-	-	-	-	-	-	-	2	3	5	-	-	-	-	-	-	-	-	-
With mental deficiency	5	8	13	4	1	5	-	-	-	1	3	4	1	4	4	-	-	-	-	-	-	-	-	-
Without psychoses	2	1	3	-	-	-	-	-	-	-	-	-	1	1	2	1	1	1	-	-	-	-	-	-
Primary behavior disorders	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Total	255	266	521	15	25	40	-	2	2	22	10	32	152	143	295	40	58	98	4	8	12	22	20	42

TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	15	6	21	6	1	7	8	5	13	1	—	1	—	—	—
With other forms of syphilis	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—
With epidemic encephalitis	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—
With other infectious diseases	2	1	3	—	1	1	2	—	2	—	—	—	—	—	—
Alcoholic psychoses	31	7	38	9	2	11	21	5	26	—	—	—	1	—	1
Due to drugs, etc.	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
Traumatic psychoses	5	3	8	2	2	4	3	1	4	—	—	—	—	—	—
With cerebral arteriosclerosis	77	53	130	39	17	56	38	35	73	—	—	—	—	1	1
With other disturbances of circulation	1	5	6	1	1	2	—	3	3	—	—	—	—	1	1
With convulsive disorders (epilepsy)	3	2	5	1	1	2	2	1	3	—	—	—	—	—	—
Senile psychoses	13	27	40	7	16	23	6	11	17	—	—	—	—	—	—
Involuntal psychoses	3	16	19	—	3	3	3	12	15	—	—	—	—	1	1
Due to other metabolic diseases, etc.	2	10	12	2	2	4	—	8	8	—	—	—	—	—	—
Due to new growth	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
With organic changes of nervous system	3	1	4	2	—	2	1	1	2	—	—	—	—	—	—
Psychoneuroses	2	7	9	—	2	2	2	3	5	—	2	2	—	—	—
Manic-depressive psychoses	5	16	21	2	3	5	3	13	16	—	—	—	—	—	—
Dementia praecox	80	94	174	42	20	62	38	73	111	—	—	—	—	1	1
Paranoia and paranoid conditions	1	2	3	1	—	1	—	2	2	—	—	—	—	—	—
With psychopathic personality	2	3	5	2	1	3	—	2	2	—	—	—	—	—	—
With mental deficiency	5	8	13	5	6	11	—	2	2	—	—	—	—	—	—
Without psychoses	2	1	3	—	1	1	2	—	2	—	—	—	—	—	—
Primary behavior disorders	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
Total	255	266	521	123	81	204	130	179	309	1	2	3	1	4	5

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	15	6	21	3	5	8	6	1	7	6	—	6	—	—	—
With other forms of syphilis	2	—	2	—	—	—	1	—	1	1	—	1	—	—	—
With epidemic encephalitis	—	2	2	—	1	1	—	—	—	—	1	1	—	—	—
With other infectious diseases	2	1	3	1	1	2	1	—	1	—	—	—	—	—	—
Alcoholic psychoses	31	7	38	—	—	—	—	—	—	31	7	38	—	—	—
Due to drugs, etc.	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Traumatic psychoses	5	3	8	1	3	4	3	—	3	—	—	—	1	—	1
With cerebral arteriosclerosis	77	53	130	29	47	76	25	5	30	23	—	23	—	1	1
With other disturbances of circulation	1	5	6	1	4	5	—	1	1	—	—	—	—	—	—
With convulsive disorders (epilepsy)	3	2	5	2	2	4	1	—	1	—	—	—	—	—	—
Senile psychoses	13	27	40	5	23	28	6	1	7	2	2	4	—	1	1
Involuntal psychoses	3	16	19	1	12	13	2	3	5	—	—	—	—	1	1
Due to other metabolic diseases, etc.	2	10	12	—	7	7	1	2	3	1	1	2	—	—	—
Due to new growth	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
With organic changes of nervous system	3	1	4	3	—	3	—	—	—	—	1	1	—	—	—
Psychoneuroses	2	7	9	1	6	7	1	—	1	—	1	1	—	—	—
Manic-depressive psychoses	5	16	21	1	10	11	3	5	8	1	1	2	—	—	—
Dementia praecox	80	94	174	48	72	120	20	18	38	12	4	16	—	—	—
Paranoia and paranoid conditions	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
With psychopathic personality	2	3	5	1	1	2	1	1	2	—	1	1	—	—	—
With mental deficiency	5	8	13	5	6	11	—	1	1	—	1	1	—	—	—
Without psychoses	2	1	3	1	1	2	—	—	—	1	—	1	—	—	—
Primary behavior disorders	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
Total	255	266	521	104	203	307	71	39	110	79	20	99	1	4	5

TABLE 12. Marital Condition of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Single			Married			Widowed			Divorced			Separated		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	15	6	21	1	2	3	12	5	17	-	-	-	1	-	1	1	-	1
With other forms of syphilis	2	-	2	-	-	2	2	-	2	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	2	2	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
With other infectious diseases	2	1	3	1	1	2	2	-	2	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	31	7	38	7	1	8	16	4	20	1	2	3	5	-	5	2	-	2
Due to drugs, etc.	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	5	3	8	2	1	3	3	1	4	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	77	53	130	13	8	21	38	22	60	22	23	45	1	-	1	3	-	3
With other disturbances of circulation	1	5	6	1	1	2	1	4	4	-	1	1	1	-	-	-	-	-
With convulsive disorders (epilepsy)	3	2	5	2	1	3	1	1	2	-	-	-	-	-	-	-	-	-
Senile psychoses	13	27	40	2	9	11	5	3	8	6	15	21	-	-	-	-	-	-
Involutional psychoses	3	16	19	2	5	7	3	9	12	2	2	2	-	-	-	-	-	-
Due to other metabolic diseases, etc.	2	10	12	1	3	4	1	4	5	-	1	1	-	2	2	-	-	-
Due to new growth	1	1	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	3	1	4	2	-	2	1	1	2	-	-	-	-	-	-	-	-	-
Psychoneuroses	2	7	9	1	1	2	1	5	6	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	5	16	21	3	2	5	1	11	12	-	2	2	1	1	2	-	-	-
Dementia praecox	80	94	174	61	45	106	18	45	63	-	2	2	-	-	-	1	2	3
Paranoia and paranoid conditions	1	2	3	1	-	1	-	1	1	-	1	1	-	-	-	-	-	-
With psychopathic personality	2	3	5	2	2	4	-	1	1	-	-	-	-	-	-	-	-	-
With mental deficiency	5	8	13	5	7	12	-	-	-	-	1	1	-	-	-	-	-	-
Without psychoses	2	3	5	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Primary behavior disorders	1	1	2	1	-	-	1	-	1	-	-	-	1	-	1	-	-	-
Total	255	266	521	105	90	195	105	117	222	29	54	83	9	3	12	7	2	9

[illegible]

TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	8	4	12	-	-	-	8	4	12	-	-	-
With other forms of syphilis	1	-	1	-	-	-	1	-	1	-	-	-
With epidemic encephalitis	1	-	1	-	-	-	1	-	1	-	-	-
With other infectious diseases	-	1	1	-	-	-	-	1	1	-	-	-
Alcoholic psychoses	14	2	16	2	-	2	12	2	14	-	-	-
Due to drugs, etc.	1	1	2	-	-	-	1	1	2	-	-	-
Traumatic psychoses	3	-	3	-	-	-	3	-	3	-	-	-
With cerebral arteriosclerosis	11	9	20	-	-	-	11	8	19	-	1	1
With other disturbances of circulation	1	-	1	-	-	-	1	-	1	-	-	-
With convulsive disorders (epilepsy)	3	1	4	-	-	-	3	1	4	-	-	-
Senile psychoses	-	1	1	-	-	-	-	1	1	-	-	-
Involuntional psychoses	-	4	4	-	-	-	-	4	4	-	-	-
Due to other metabolic diseases, etc.	3	3	6	-	-	-	3	3	6	-	-	-
Psychoneuroses	7	5	12	-	-	-	7	5	12	-	-	-
Manic-depressive psychoses	22	25	47	1	-	1	20	23	43	1	2	3
Dementia praecox	44	47	91	-	-	-	42	45	87	2	2	4
Paranoia and paranoid conditions	1	1	2	-	-	-	1	1	2	-	-	-
With psychopathic personality	1	2	3	1	-	1	-	1	1	-	1	1
With mental deficiency	6	4	10	-	-	-	6	4	10	-	-	-
Without psychoses	4	-	4	-	-	-	-	-	-	-	-	-
Primary behavior disorders	1	1	2	1	1	2	-	-	-	-	-	-
Total	132	111	243	5	1	6	120	104	224	3	6	9

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharged during 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	6	1	7	.46	.29	.44
With other forms of syphilis	1	-	1	1.50	-	1.50
With other infectious diseases	-	1	1	-	.04	.04
Alcoholic psychoses	12	2	14	.42	.77	.47
Due to drugs, etc.	1	-	1	.46	-	.46
Traumatic psychoses	3	-	3	.34	-	.34
With cerebral arteriosclerosis	10	8	18	.33	.65	.47
With other disturbances of circulation	1	-	1	.12	-	.12
With convulsive disorders (epilepsy)	1	1	2	.94	.04	.49
Senile psychoses	-	1	1	-	.12	.12
Involuntional psychoses	-	4	4	-	.62	.62
Due to other metabolic diseases, etc.	3	3	6	.17	.20	.19
Psychoneuroses	6	4	10	.61	.45	.55
Manic-depressive psychoses	15	10	25	.79	.47	.66
Dementia praecox	33	29	62	1.37	1.44	1.40
Paranoia and paranoid conditions	1	1	2	1.50	.62	1.06
With psychopathic personality	-	1	1	-	.37	.37
With mental deficiency	2	3	5	.20	.80	.56
Without psychoses	3	-	3	.20	-	.20
Primary behavior disorders	1	-	1	.04	-	.04
Total	99	69	168	.80	.90	.84

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	Total			With syphilitic meningo-encephalitis			With other forms of syphilis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>																											
Dysentery	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of the respiratory system	10	11	21	—	—	—	—	—	—	1	—	—	1	—	—	1	—	—	—	1	1	—	—	—	—	—	—
Purulent infection, septicaemia (non-puer- peral)	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—	—	—
<i>Cancer and Other Tumors:</i>																											
Cancer and other malignant tumors	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Rheumatic Diseases, Nutritional Diseases, Dis- eases of the Endocrine Glands and Other General Diseases:</i>																											
Pellagra	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Blood and Blood-making Organs:</i>																											
Perniciou anemia	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Nervous System and Organs of Special Sense:</i>																											
Other diseases of the spinal cord	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	1	—	1	—	—	—	—	—	—
General paralysis of the insane	11	3	14	10	3	13	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the nervous system	—	1	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Circulatory System:</i>																											
Chronic endocarditis (valvular disease)	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the myocardium	39	59	98	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	22	23	45	—	—	—	—	—	—
Diseases of the coronary arteries and angina pectoris	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the heart	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3	—	—	—	—	—	—
Arteriosclerosis	5	5	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—
Other diseases of the arteries	22	23	45	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	16	13	29	1	1	2	—	1	1
<i>Diseases of the Respiratory System:</i>																											
Bronchopneumonia (including capillary bronchitis)	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia	5	12	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	8	—	—	—	—	—	—
Pleurisy	8	4	12	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	2	1	3	—	—	—	—	—	—
Asthma	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Digestive System:</i>																											
Ulcer of the stomach and duodenum	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diarrhea and enteritis	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hernia, intestinal obstruction	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Continued

CAUSES OF DEATH	Total			With syphilitic meningo-encephalitis			With other forms of syphilis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Diseases of the Genito-Urinary System:</i>																											
Nephritis (acute, chronic and unspecified) .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the kidneys and ureters puerperal diseases excepted)	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the bladder (tumors excepted) .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the prostate .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases not specified as venereal .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Skin and Cellular Tissue:</i>																											
<i>Senility:</i>	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Violent and Accidental Deaths:</i>																											
Suicide .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Accidental traumatism .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other external causes .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Ill-Defined Causes of Death:</i>																											
Total	119	151	270	10	4	14	1	—	1	1	2	1	—	1	—	15	—	15	50	48	98	2	4	6	—	1	1

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Continued*

[illegible]

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

CAUSES OF DEATH	Senile psychoses			Involuntary psychoses			Due to other metabolic diseases, etc.			With organic changes of nervous system			Psycho-nervoses			Manic-depressive psychoses			Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Diseases of the Digestive System:</i>																														
Ulcer of the stomach and duodenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhea and enteritis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hernia, intestinal obstruction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Genito-Urinary System:</i>																														
Nephritis (acute, chronic and unspecified)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the kidneys and ureters (puerperal diseases excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of the bladder (tumors excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of the prostate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases not specified as venereal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of Skin and Cellular Tissue</i>																														
Syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Violent and Accidental Deaths:</i>																														
Suicide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental traumatism	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other external causes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ill-Defined Causes of Death:</i>																														
Total	8	23	31	2	7	9	1	7	8	1	2	3	15	31	46	-	1	1	1	-	1	-	1	-	3	5	8			

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			15-19 years			20-24 years			25-29 years			30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	10	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	2	3
With other forms of syphilis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
With epidemic encephalitis	1	1	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	15	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	2	-	2
With cerebral arteriosclerosis	50	48	98	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
With other disturbances of circulation	2	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Senile psychoses	-	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntary psychoses	2	23	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	1	7	8	-	-	-	-	-	-	-	-	-	1	1	2	-	3	3	-	1	1	-	-	-
With organic changes of nervous system	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Psychoneuroses	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	7	16	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	15	31	46	-	-	-	2	2	4	1	1	2	1	1	2	3	5	2	7	1	2	3	2	2
Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	119	151	270	-	-	-	2	2	4	3	4	7	4	3	7	5	8	13	7	13	20	3	10	13

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis																								
With other forms of syphilis	5	1	6	1	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	4	-	4	3	-	3	1	-	1	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	2	-	2	2	4	6	5	1	6	11	12	23	9	11	20	11	11	22	8	4	12	2	4	6
With other disturbances of circulation	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	9	14	-	-	8
Involutional psychoses	-	2	2	1	3	4	1	1	2	-	1	1	-	1	1	2	5	7	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	1	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	2	2	2	3	5	1	-	1	1	4	5	1	2	3	-	-	-	-	-	-	-	-	-
Dementia praecox	2	5	7	2	1	3	1	3	4	1	1	2	2	2	2	-	-	-	-	-	-	-	-	-
Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-
Total	14	11	25	13	12	25	12	7	19	17	18	35	12	18	30	13	16	29	14	14	28	2	13	15

TABLE 19. *Average of Length of Hospital Residence during the Present Admissions of All First Admission Cases in Residence on September 30, 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	44	11	55	4.46	3.94	4.36
With other forms of syphilis	7	3	10	3.48	10.50	5.59
With epidemic encephalitis	6	7	13	5.66	3.34	4.41
With other infectious diseases	—	1	1	—	1.50	1.50
Alcoholic psychoses	61	16	77	7.20	8.54	7.48
Traumatic psychoses	8	3	11	7.86	.45	5.84
With cerebral arteriosclerosis	97	76	173	2.49	3.79	3.06
With other disturbances of circulation	—	3	3	—	9.16	9.16
With convulsive disorders (epilepsy)	11	11	22	6.49	5.04	5.76
Senile psychoses	21	35	56	3.24	4.10	3.78
Involuntional psychoses	11	36	47	5.49	4.84	4.99
Due to other metabolic diseases, etc.	4	3	7	3.97	7.83	5.62
Due to new growth	—	1	1	—	.45	.45
With organic changes of nervous system	13	7	20	4.72	8.64	6.09
Psychoneuroses	8	9	17	5.24	2.80	3.95
Manic-depressive psychoses	33	42	75	6.58	10.08	8.54
Dementia praecox	336	417	753	8.84	9.46	9.19
Paranoia and paranoid conditions	3	6	9	1.15	10.66	7.49
With psychopathic personality	6	4	10	6.49	9.23	7.59
With mental deficiency	60	83	143	9.79	8.40	8.98
Without psychoses	5	2	7	.45	.45	.45
Total	734	776	1,510	7.00	7.99	7.51

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmission Cases in Residence on September 30, 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	12	6	18	5.90	10.66	7.49
With other forms of syphilis	1	2	3	7.50	7.50	7.50
With epidemic encephalitis	3	5	8	4.15	6.70	5.74
Alcoholic psychoses	30	4	34	8.38	6.47	8.16
Traumatic psychoses	3	—	3	1.80	—	1.80
With cerebral arteriosclerosis	3	12	15	3.48	7.25	6.49
With convulsive disorders (epilepsy)	4	4	8	2.98	16.25	9.61
Senile psychoses	2	1	3	2.47	1.50	2.15
Involuntional psychoses	3	5	8	5.15	10.30	8.36
Due to other metabolic diseases, etc.	2	2	4	6.47	1.47	3.97
With organic changes of nervous system	5	2	7	7.29	7.50	7.35
Psychoneuroses	—	4	4	—	1.98	1.98
Manic-depressive psychoses	46	54	100	4.96	7.80	6.49
Dementia praecox	167	222	389	10.46	9.57	9.95
Paranoia and paranoid conditions	2	7	9	3.00	7.49	6.49
With psychopathic personality	5	—	5	8.50	—	8.50
With mental deficiency	24	45	69	10.32	10.60	10.51
Without psychoses	2	2	4	.45	.45	.45
Total	314	377	691	8.64	9.14	8.91

TABLE 20. *Family Care Statistics for Year Ended September 30, 1935*

	Males	Females	Total
Remaining in Family Care September 30, 1934	—	9	9
Admitted to Family Care during the Year	—	4	4
Whole Number of Cases within the Year	—	13	13
Discharged from Family Care within the Year	—	2	2
Returned to Institution	—	2	2
Remaining in Family Care September 30, 1935	—	11	11
Average Daily Number in Family Care during Year	—	10	10
Supported by State	—	8	8
Private	—	2	2
Self-supporting	—	1	1

